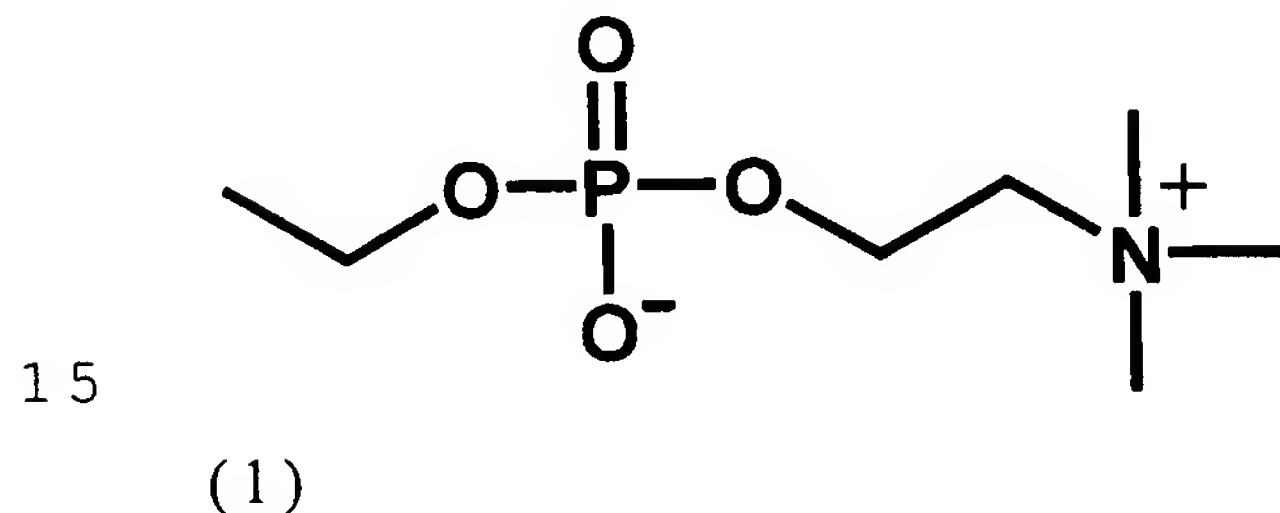


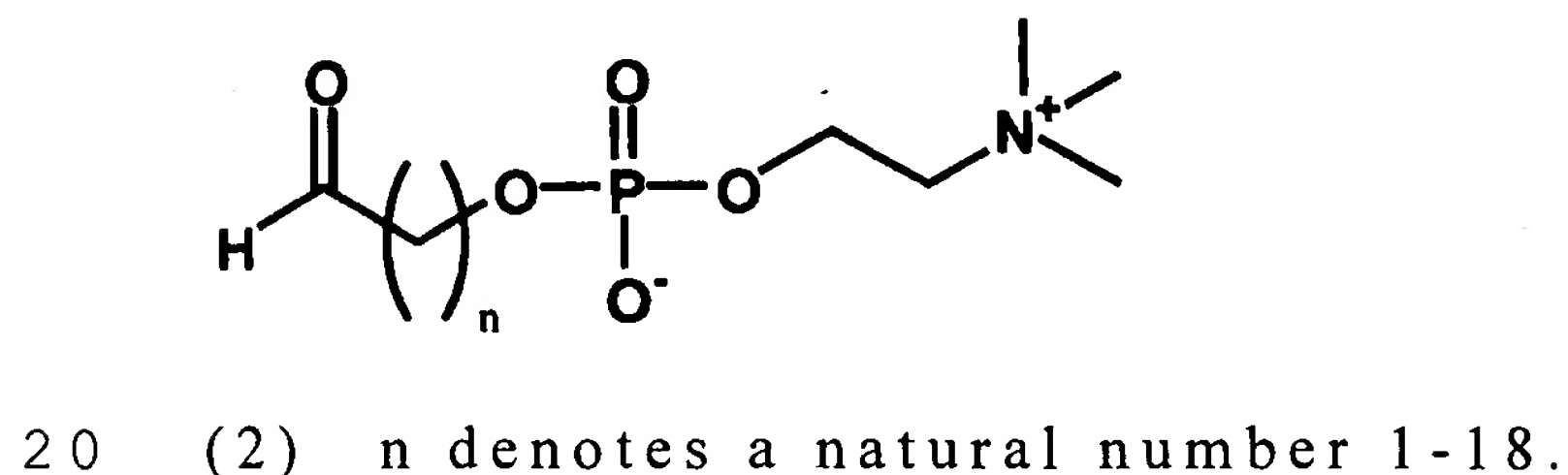
[Claim 1]

A method of manufacturing an eye lens material  
5 having a process in which a phosphorylcholine group-  
containing chemical compound represented by the  
following formula (1) is reacted and covalently bonded  
onto the surface of an eye lens material wherein the  
chemical compound represented by the following formula  
10 (2) is reacted and covalently bonded through acetal  
bonding to the eye lens material having OH groups in  
water, an organic solvent, or a water/organic solvent  
mixture.

[Chemical formula 1]



[Chemical formula 2]



[Claim 2]

The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include monomers containing a hydroxyl group.

5 [Claim 3]

The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include 2-hydroxyethylmethacrylate.

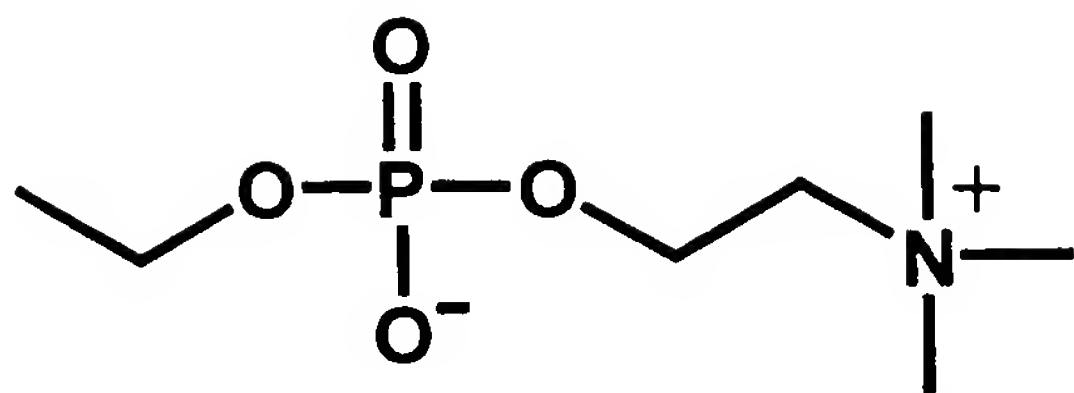
[Claim 4]

10 The method of manufacturing an eye lens material of claim 1 wherein constituent monomers of said eye lens material include polyvinyl alcohol.

[Claim 5]

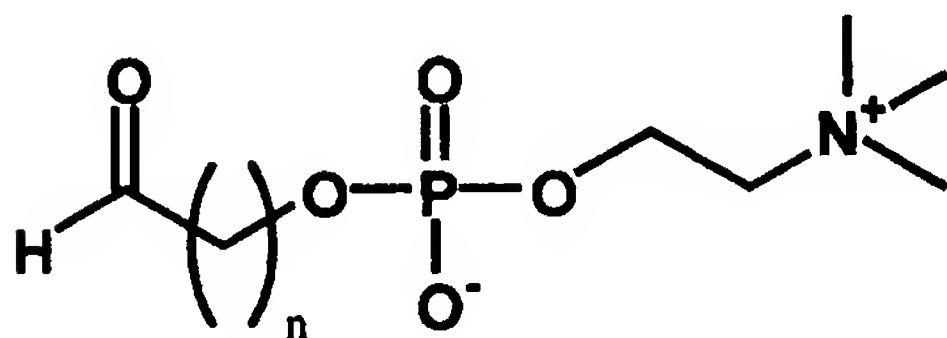
A method of manufacturing an eye lens material  
15 having a process in which a phosphorylcholine group-containing chemical compound represented by the following formula (1) is reacted and covalently bonded onto the surface of an eye lens material wherein OH groups are introduced to the surface of the eye lens  
20 material by means of a plasma treatment and then the chemical compound represented by the following formula (2) is reacted and covalently bonded through acetal bonding in water, an organic solvent, or a water/organic solvent mixture.

25 [Chemical formula 3]



(1)

[Chemical formula 4]



5

(2) n denotes a natural number 1-18.

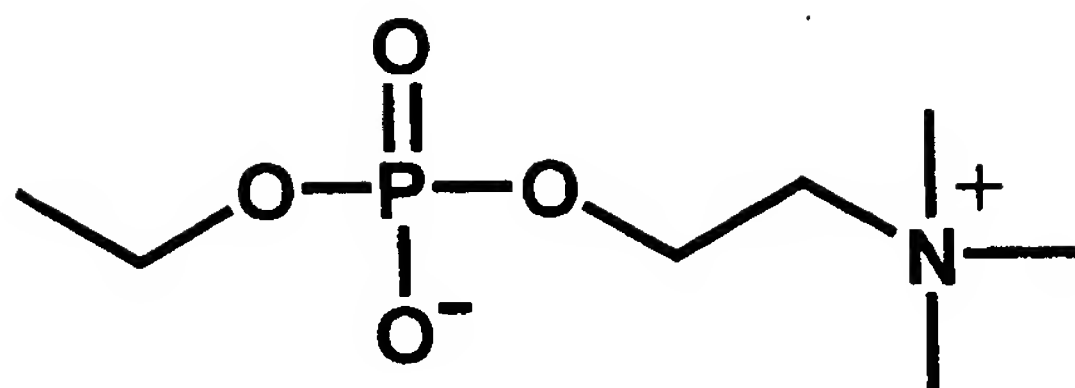
[Claim 6]

An eye lens material characteristically obtained with a method of manufacturing an eye lens material having a process in which a phosphorylcholine group-containing chemical compound represented by the following formula (1) is reacted and covalently bonded onto the surface of an eye lens material wherein the chemical compound represented by the following formula (2) is reacted and covalently bonded through acetal bonding to the eye lens material having OH groups in water, an organic solvent, or a water/organic solvent mixture.

10

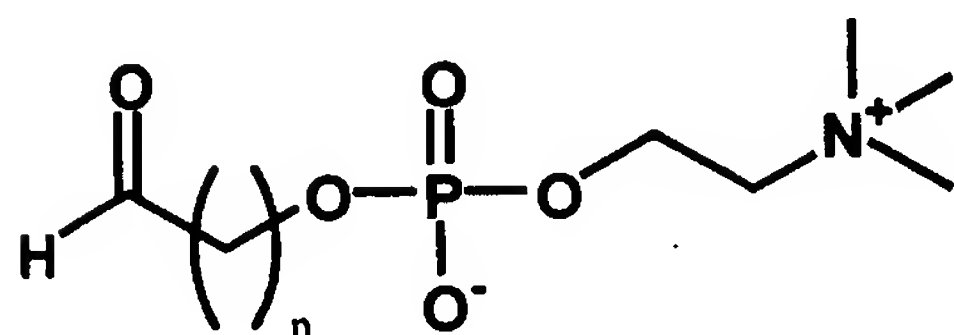
15

[Chemical formula 5]



(1)

[Chemical formula 6]



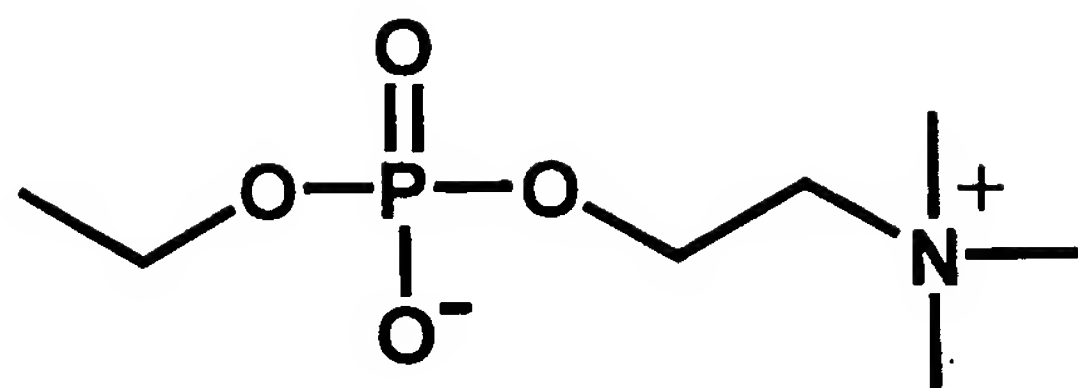
5

(2) n denotes a natural number 1-18.

[Claim 7]

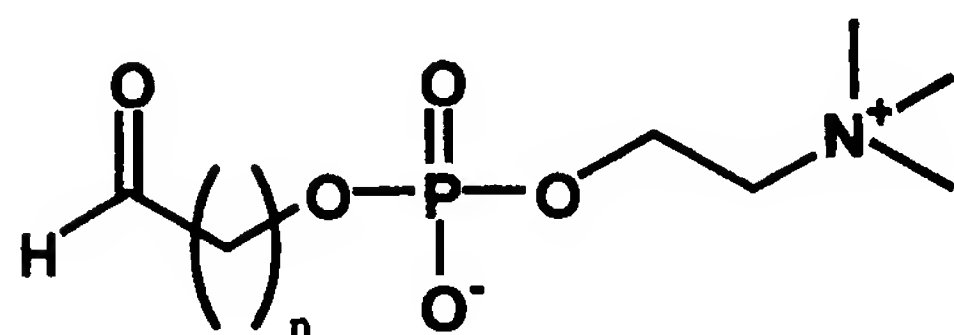
An eye lens material characteristically obtained with a method of manufacturing an eye lens material having a process in which a phosphorylcholine group-  
 10 containing chemical compound represented by the following formula (1) is reacted and covalently bonded onto the surface of an eye lens material wherein OH groups are introduced to the surface of the eye lens  
 15 material by means of a plasma treatment and then the chemical compound represented by the following formula (2) is reacted and covalently bonded through acetal bonding in water, an organic solvent, or a water/organic solvent mixture.

20 [Chemical formula 7]



(1)

[Chemical formula 8]



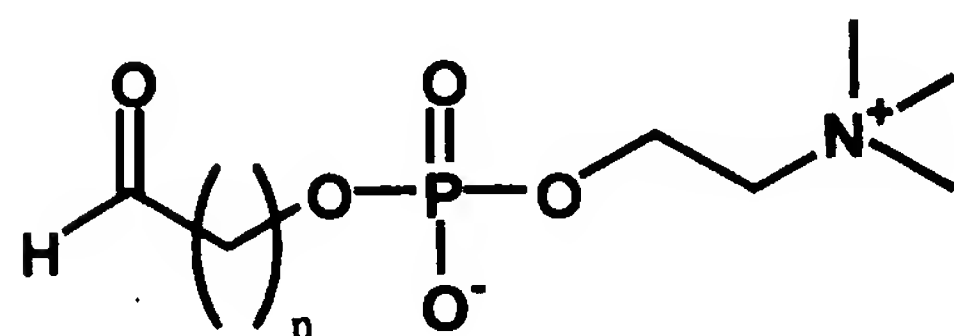
5

(2) n denotes a natural number 1-18.

[Claim 8]

A protein adsorption prevention method wherein protein adsorption on the eye lens material is prevented by means of an after-treatment in which the chemical compound represented by the following formula (2) is reacted and covalently bonded through acetal bonding to the eye lens material having OH groups in water, an organic solvent, or a water/organic solvent mixture.

15 [Chemical formula 9]



(2) n denotes a natural number 1-18.